

Five-Year Cumulative Author Index

(Vols. 10-14. 1984-1988)

Corrigenda: Vol. 12 (1986), p. 285; Vol. 13 (1987), p. 320, p. 416; Vol. 14 (1988), p. 111, p. 297, p. 399

Contributed Papers (1984-1988)

- Abrham, A.** See Hull, T. E. Vol. 11, No. 3 (Sept. 1985), p. 157
- Abrham, A.** See Hull, T. E. Vol. 12, No. 2 (June 1986), p. 79
- Ahlfeld, D. P., Mulvey, J. M., Dembo, R. S., and Zenios, S. A.** Nonlinear Programming on Generalized Networks. Vol. 13, No. 4 (Dec. 1987), p. 350
- Ahrens, J. H., and Dieter, V.** Sequential Random Sampling. Vol. 11, No. 2 (June 1985), p. 157
- Alagar, V. S., and Probst, D. K.** A Fast, Low-Space Algorithm for Multiplying Dense Multivariate Polynomials. Vol. 13, No. 1 (Mar. 1987), p. 35
- Aluffi-Pentini, F., Parisi, V., and Zirilli, F.** A Differential Equations Algorithm for Nonlinear Equations. Vol. 10, No. 3 (Sept. 1984), p. 299
- Aluffi-Pentini, F., Parisi, V., and Zirilli, F.** A Global Optimization Algorithm Using Stochastic Differential Equations. Vol. 14, No. 4 (Dec. 1988), p. 345
- Ammann, L., and Van Ness, J.** A Routine for Converting Regression Algorithms into Corresponding Orthogonal Regression Algorithms. Vol. 14, No. 1 (Mar. 1988), p. 76
- Baca, L. S.** See Shampine, L. F. Vol. 12, No. 1 (Mar. 1986), p. 1
- Bar-On, I.** A Practical Parallel Algorithm for Solving Band Symmetric Positive Definite Systems of Linear Equations. Vol. 13, No. 4 (Dec. 1987), p. 323
- Bartels, R. H., and Jezioranski, J. J.** Least Squares Fitting Using Orthogonal Multinomials. Vol. 11, No. 3 (Sept. 1985), p. 201
- Black, C. M., Burton, R. P., and Miller, T. H.** The Need for an Industry Standard of Accuracy for Elementary-Function Programs. Vol. 10, No. 4 (Dec. 1984), p. 361
- Boisvert, R. F.** A Fourth-Order Accurate Fourier Method for the Helmholtz Equation in Three Dimensions. Vol. 13, No. 3 (Sept. 1987), p. 221
- Boisvert, R. F., Howe, S. E., and Kahaner, D. K.** GAMS: A Framework for the Management of Scientific Software. Vol. 11, No. 4 (Dec. 1985), p. 313
- Bui, T. D.** See Ostermann, A. Vol. 12, No. 4 (Dec. 1986), p. 354
- Bundy, A.** A Generalized Interval Package and Its Use for Semantic Checking. Vol. 10, No. 4 (Dec. 1984), p. 397
- Burton, R. P.** See Black, C. M. Vol. 10, No. 4 (Dec. 1984), p. 361
- Butcher, J. C.** Towards Efficient Implementation of Singly-Implicit Methods. Vol. 14, No. 1 (Mar. 1988), p. 68
- Celis, P.** Corrections and Errors in John Ivie's MACSYMA Programs for Solving Recurrence Equations. Vol. 10, No. 4 (Dec. 1984), p. 477
- Cohen, M. S.** See Hull, T. E. Vol. 14, No. 3 (Sept. 1988), p. 201
- Coleman, T. F., Garbow, B. S., and Moré, J. J.** Software for Estimating Sparse Hessian Matrices. Vol. 11, No. 4 (Dec. 1985), p. 363
- Coleman, T. F., Garbow, B. S., and Moré, J. J.** Sparse Jacobian Matrices. Vol. 10, No. 3 (Sept. 1984), p. 329
- Colwell, W. R., and Thompson, C. P.** Transforming FORTRAN Do Loops to Improve Performance on Vector Architectures. Vol. 12, No. 4 (Dec. 1986), p. 324
- Corana, A., Marchesi, M., Martini, C., and Ridella, S.** Minimizing Multimodal Functions of Continuous Variables with the "Simulated Annealing Algorithm." Vol. 13, No. 3 (Sept. 1987), p. 262
- Cuyt, A. A. M., and Rall, L. B.** Computational Implementation of the Multivariate Halley Method for Solving Nonlinear Systems of Equations. Vol. 11, No. 1 (Mar. 1985), p. 20
- Davenport, J. H., and Trager, B. M.** On the Parallel Risch Algorithm (II). Vol. 11, No. 4 (Dec. 1985), p. 356

- Davidon, W. C., and Nocedal, J.** Evaluation of Step Directions in Optimization Algorithms (II). Vol. 11, No. 1 (Mar. 1985), p. 12
- De Doncker, E., and Robinson, I.** An Algorithm for Automatic Integration Over a Triangle Using Nonlinear Extrapolation. Vol. 10, No. 1 (Mar. 1984), p. 1
- Deak, I.** The Economical Method for Generating Random Samples from Discrete Distributions. Vol. 12, No. 1 (Mar. 1986), p. 34
- Dembo, R. S., and Steihaug, T.** A Test Problem Generator for Large-Scale Unconstrained Optimization. Vol. 11, No. 2 (June 1985), p. 97
- Dembo, R. S.** See Ahlfeld, D. P. Vol. 13, No. 4 (Dec. 1987), p. 350
- DiDonato, A. R., and Morris, A. H., Jr.** Computation of the Incomplete Gamma Function Ratios and their Inverse. Vol. 12, No. 4 (Dec. 1986), p. 377
- Dieter, V.** See Ahrens, J. H. Vol. 11, No. 2 (June 1985), p. 157
- Dolk, D. R.** A Generalized Model Management System for Mathematical Programming. Vol. 12, No. 2 (June 1986), p. 92
- Dongarra, J. J., and Eisenstat, S. C.** Squeezing the Most Out of an Algorithm in CRAY FORTRAN. Vol. 10, No. 3 (Sept. 1984), p. 221
- Dongarra, J. J., Du Croz, J., Hammarling, S., and Hanson, R. J.** An Extended Set of FORTRAN Basic Linear Algebra Subprograms. Vol. 14, No. 1 (Mar. 1988), p. 1
- Du Croz, J.** See Dongarra, J. J. Vol. 14, No. 1 (Mar. 1988), p. 1
- Duff, I. S., and Wiberg, T.** Remarks on Implementations of $O(n^{1/2})$ Assignment Algorithms. Vol. 14, No. 3 (Sept. 1988), p. 267
- Dyksen, W. R., and Ribbens, C. J.** Interactive ELLPACK: An Interactive Problem-Solving Environment for Elliptic Partial Differential Equations. Vol. 13, No. 2 (June 1987), p. 113
- Eiger, A., Sikorski, K., and Stenger, F.** A Bisection Method for Systems of Nonlinear Equations. Vol. 10, No. 4 (Dec. 1984), p. 367
- Eisenstat, S.** See Dongarra, J. J. Vol. 10, No. 3 (Sept. 1984), p. 219
- Enright, W. H., Jackson, K. R., Norsett, S. P., and Thomsen, P. G.** Interpolants for Runge-Kutta Formulas. Vol. 12, No. 3 (Sept. 1986), p. 193
- Enright, W. H., and Pryce, J. D.** Two FORTRAN Packages for Assessing Initial Value Methods. Vol. 13, No. 1 (Mar. 1987), p. 1
- Erickson, W. S.** Inverse-Pairs of Test Matrices. Vol. 11, No. 3 (Sept. 1985), p. 302
- Fenves, S. J.** See Law, K. H. Vol. 12, No. 1 (Mar. 1986), p. 37
- Foley, T. A.** Interpolation with Interval and Point Tension Controls Using Cubic Weighted v -Splines. Vol. 13, No. 1 (Mar. 1987), p. 68
- Freeman, T. S., Imirzian, G. M., Kaltofen, E., and Yagati, L.** Dagwood: A System for Manipulating Polynomials Given by Straight-Line Programs. Vol. 14, No. 3 (Sept. 1988), p. 218
- Gaffney, P. W.** A Performance Evaluation of Some FORTRAN Subroutines for the Solution of Stiff Oscillatory Ordinary Differential Equations. Vol. 10, No. 1 (Mar. 1984), p. 58
- Gan, C. T.** A Note on Combination Generators. Vol. 11, No. 2 (June 1985), p. 154
- Garavelli, J. S.** An Algorithm for the Multiplication of Symmetric Polynomials. Vol. 14, No. 4 (Dec. 1988), p. 337
- Garbow, B. S.** See Coleman, T. F. Vol. 10, No. 3 (Sept. 1984), p. 329
- Garbow, B. S.** See Coleman, T. F. Vol. 11, No. 4 (Dec. 1985), p. 363
- Garbow, B. S., Giunta, G., Lyness, J. N., and Murli, A.** Software for an Implementation of Weeks' Method for the Inverse Laplace Transform Problem. Vol. 14, No. 2 (June 1988), p. 163
- Gear, C. W., and Osterby, O.** Solving Ordinary Differential Equations with Discontinuities. Vol. 10, No. 1 (Mar. 1984), p. 23
- Gill, P. E., Murray, W., Saunders, M., and Wright, M.** Procedures for Optimization Problems with a Mixture of Bounds and General Linear Constraints. Vol. 10, No. 3 (Sept. 1984), p. 282
- Giunta, G.** See Garbow, B. S. Vol. 14, No. 2 (June 1988), p. 163
- Grimes, R. G., and Simon, H. D.** Solution of Large, Dense Symmetric Generalized Eigenvalue Problems Using Secondary Storage. Vol. 14, No. 3 (Sept. 1988), p. 241
- Gupta, G. K.** See Tischer, P. E. Vol. 11, No. 3 (Sept. 1985), p. 263
- Haas, A.** The Multiple Prime Random Number Generator. Vol. 13, No. 4 (Dec. 1987), p. 368
- Hall, G.** Equilibrium States of Runge-Kutta Schemes. Vol. 11, No. 3 (Sept. 1985), p. 289
- Hall, G.** Equilibrium States of Runge-Kutta Schemes: Part II. Vol. 12, No. 3 (Sept. 1986), p. 183

- Hammarling, S.** See Dongarra, J. J. Vol. 14, No. 1 (Mar. 1988), p. 1
- Hanson, R. J.** See Dongarra, J. J. Vol. 14, No. 1 (Mar. 1988), p. 1
- Higham, N. J.** FORTRAN Codes for Estimating the One-Norm of a Real or Complex Matrix, with Applications to Condition Estimation. Vol. 14, No. 4 (Dec. 1988), p. 381
- Houstis, E. N., Mitchell, W. F., and Rice, J. R.** Collocation Software for Second Order Elliptic Partial Differential Equations. Vol. 11, No. 4 (Dec. 1985), p. 379
- Howe, S. E.** See Boisvert, R. F. Vol. 11, No. 4 (Dec. 1985), p. 313
- Hull, T. E., and Abram, A.** Properly Rounded Variable Precision Square Root. Vol. 11, No. 3 (Sept. 1985), p. 229
- Hull, T. E., and Abram, A.** Variable Precision Exponential Function. Vol. 12, No. 2 (June 1986), p. 79
- Hull, T. E., Cohen, M. S., Sawchuck, J. T. M., and Wortman, D. B.** Exception Handling in Scientific Computing. Vol. 14, No. 3 (Sept. 1988), p. 201
- Imirzian, G. M.** See Freeman, T. S. Vol. 14, No. 3 (Sept. 1988), p. 218
- Jackson, K. R.** See Enright, W. H. Vol. 12, No. 3 (Sept. 1986), p. 193
- Jansen, P., and Weidner, P.** High-Accuracy Arithmetic Software—Some Tests of the ACRITH Problem-Solving Routines. Vol. 12, No. 1 (Mar. 1986), p. 62
- Jennings, A.** See Reid, J. K. Vol. 10, No. 2 (June 1984), p. 196
- Jezioranski, J. J.** See Bartels, R. H. Vol. 11, No. 3 (Sept. 1985), p. 201
- Johnson, K. C.** Efficient Square Root Implementation on the 68000. Vol. 13, No. 2 (June 1987), p. 138
- Johnsson, S. L.** Solving Narrow Banded Systems on Ensemble Architectures. Vol. 11, No. 3 (Sept. 1985), p. 271
- Jones, C. B.** A Significance Rule for Multiple-Precision Arithmetic. Vol. 10, No. 1 (Mar. 1984), p. 97
- Kahaner, D. K.** See Boisvert, R. F. Vol. 11, No. 4 (Dec. 1985), p. 313
- Kalley, M.** Plane Curves of Minimal Energy. Vol. 12, No. 3 (Sept. 1986), p. 219
- Kaltofen, E.** See Freeman, T. S. Vol. 14, No. 3 (Sept. 1988), p. 218
- Kaps, P.** See Ostermann, A. Vol. 12, No. 4 (Dec. 1986), p. 354
- Kaufman, L.** Banded Eigenvalue Solvers on Vector Machines. Vol. 10, No. 1 (Mar. 1984), p. 73
- Kearfott, R. B.** Some Tests of Generalized Bisection. Vol. 13, No. 3 (Sept. 1987), p. 197
- Koontz, J. E.** See Schnabel, R. B. Vol. 11, No. 4 (Dec. 1985), p. 419
- Kramer, M. A.** See Leis, J. R. Vol. 14, No. 1 (Mar. 1988), p. 45
- Krogh, F. T., and Stewart, K.** Asymptotic ($h \rightarrow \infty$) Absolute Stability for BDFs Applied to Stiff Differential Equations. Vol. 10, No. 1 (Mar. 1984), p. 45
- Kronmal, R. A., and Peterson, A. V.** An Acceptance-Complement Analogue of the Mixture-plus-Acceptance-Rejection Method for Generating Random Variables. Vol. 10, No. 3 (Sept. 1984), p. 271
- Law, K. H., and Fenves, S. J.** A Node-Addition Model for Symbolic Factorization. Vol. 12, No. 1 (Mar. 1986), p. 37
- Lawrie, D. H., and Sameh, A. H.** The Computation and Communication Complexity of a Parallel Banded System Solver. Vol. 10, No. 2 (June 1984), p. 185
- Lawrie, D. H., and Sameh, A. H.** Corrections to "The Computation and Communication Complexity of a Parallel Banded System Solver." Vol. 11, No. 2 (June 1985), p. 188
- Le, D.** An Efficient Derivative-Free Method for Solving Nonlinear Equations. Vol. 11, No. 3 (Sept. 1985), p. 250
- Leis, J. R., and Kramer, M. A.** The Simultaneous Solution and Sensitivity Analysis of Systems Described by Ordinary Differential Equations. Vol. 14, No. 1 (Mar. 1988), p. 45
- Lenard, M. L., and Minkoff, M.** Randomly Generated Test Problems for Positive Definite Quadratic Programming. Vol. 10, No. 1 (Mar. 1984), p. 86
- Liu, J. W. H.** A Compact Row Storage Scheme for Cholesky Factors Using Elimination Trees. Vol. 12, No. 2 (June 1986), p. 127
- Liu, J. W. H.** A Partial Pivoting Strategy for Sparse Symmetric Matrix Decomposition. Vol. 13, No. 2 (June 1987), p. 173
- Liu, J. W. H.** Modification of the Minimum-Degree Algorithm by Multiple Elimination. Vol. 11, No. 2 (June 1985), p. 141
- Liu, J. W. H.** On The Storage Requirement in the Out-of-Core Multifrontal Method for Sparse Factorization. Vol. 12, No. 3 (Sept. 1986), p. 249
- Liu, J. W. H.** On Threshold Pivoting in the Multifrontal Method for Sparse Indefinite Systems. Vol. 13, No. 3 (Sept. 1987), p. 250

- Lyness, J. N.** See Garbow, B. S. Vol. 14, No. 2 (June 1988), p. 163
- Marchesi, M.** See Corana, A. Vol. 13, No. 3 (Sept. 1987), p. 262
- Martini, C.** See Corana, A. Vol. 13, No. 3 (Sept. 1987), p. 262
- McKeown, G. P.** Iterated Interpolation Using a Systolic Array. Vol. 12, No. 2 (June 1986), p. 162
- Melhem, R. G., and Ramarao, K. V. S.** Multicolor Reordering of Sparse Matrices Resulting from Irregular Grids. Vol. 14, No. 2 (June 1988), p. 117
- Miller, T. H.** See Black, C. M. Vol. 10, No. 4 (Dec. 1984), p. 361
- Milovanovic, G. V., and Petkovic, M. S.** On Computational Efficiency of the Iterative Methods for the Simultaneous Approximation of Polynomial Zeros. Vol. 12, No. 4 (Dec. 1986), p. 295
- Minh, D. L.** Generating Gamma Variates. Vol. 14, No. 3 (Sept. 1988), p. 261
- Minkoff, M.** See Lenard, M. L. Vol. 10, No. 1 (Mar. 1984), p. 86
- Mitchell, W. F.** See Houstis, E. N. Vol. 11, No. 4 (Dec. 1985), p. 379
- Molchanov, I. N., Zubatenko, V. S., Nikolenko, L. D., and Yakovlev, M. F.** A Program Complex for Solving Systems of Linear Algebraic Equations. Vol. 10, No. 3 (Sept. 1984), p. 231
- Monahan, J. F.** An Algorithm for Generating Chi Random Variables. Vol. 13, No. 2 (June 1987), p. 168
- Moré, J. J.** See Coleman, T. F. Vol. 10, No. 3 (Sept. 1984), p. 329
- Moré, J. J.** See Coleman, T. F. Vol. 11, No. 4 (Dec. 1985), p. 363
- Morgan, A., and Shapiro, V.** Box-Bisection for Solving Second-Degree Systems and the Problem of Clustering. Vol. 13, No. 2 (June 1987), p. 152
- Mulvey, J. M.** See Ahlfeld, D. P. Vol. 13, No. 4 (Dec. 1987), p. 350
- Murli, A.** See Garbow, B. S. Vol. 14, No. 2 (June 1988), p. 163
- Nazareth, J. L.** Implementation Aids for the Optimization Algorithms that Solve Sequences of Linear Programs. Vol. 12, No. 4 (Dec. 1986), p. 307
- Nikolenko, L. D.** See Molchanov, I. N. Vol. 10, No. 3 (Sept. 1984), p. 231
- Nocedal, J.** See Davidon, W. C. Vol. 11, No. 1 (Mar. 1985), p. 12
- Norsett, S. P.** See Enright, W. H. Vol. 12, No. 3 (Sept. 1986), p. 193
- Osterby, O.** See Gear, C. W. Vol. 10, No. 1 (Mar. 1984), p. 23
- Ostermann, A., and Bui, T. D.** The Solution of Combustion Problems with Rosenbrock Methods. Vol. 12, No. 4 (Dec. 1986), p. 354
- Pardalos, P. M.** Generation of Large-Scale Quadratic Programs for Use as Global Optimization Test Problems. Vol. 13, No. 2 (June 1987), p. 133
- Parisi, V.** See Aluffi-Pentini, F. Vol. 10, No. 3 (Sept. 1984), p. 299
- Parisi, V.** See Aluffi-Pentini, F. Vol. 14, No. 4 (Dec. 1988), p. 345
- Peterson, A. V., Jr.** See Kronmal, R. A. Vol. 10, No. 3 (Sept. 1984), p. 271
- Petkovic, M. S.** See Milovanovic, G. V. Vol. 12, No. 4 (Dec. 1986), p. 295
- Preusser, A.** Computing Contours by Successive Solution of Quintic Polynomial Equations. Vol. 10, No. 4 (Dec. 1984), p. 463
- Probst, D. K.** See Alagar, V. S. Vol. 13, No. 1 (Mar. 1987), p. 35
- Prusinkiewicz, P.** See Wan, S. J. Vol. 14, No. 2 (June 1988), p. 153
- Pryce, J. D.** See Enright, W. H. Vol. 13, No. 1 (Mar. 1987), p. 1
- Rall, L. B.** Differential in Pascal-SC: Type GRADIENT. Vol. 10, No. 2 (June 1984), p. 161
- Rall, L. B.** See Cuyt, A. A. M. Vol. 11, No. 1 (Mar. 1985), p. 20
- Ramarao, K. V. S.** See Melhem, R. G. Vol. 14, No. 2 (June 1988), p. 117
- Regener, E.** Multiprecision Integer Division Examples Using Arbitrary Radix. Vol. 10, No. 3 (Sept. 1984), p. 325
- Reid, J. K., and Jennings, A.** Solving Almost Block Diagonal (Staircase) Linear Systems. Vol. 10, No. 2 (June 1984), p. 196
- Renka, R. J.** Interpolation of Data on the Surface of a Sphere. Vol. 10, No. 4 (Dec. 1984), p. 417
- Renka, R. J.** Multivariate Interpolation of Large Sets of Scattered Data. Vol. 14, No. 2 (June 1988), p. 139
- Ribbens, C. J.** See Dyksen, W. B. Vol. 13, No. 2 (June 1987), p. 113
- Rice, J. R.** Numerical Computation with General Two-Dimensional Domains. Vol. 10, No. 4 (Dec. 1984), p. 443
- Rice, J. R.** See Houstis, E. N. Vol. 11, No. 4 (Dec. 1985), p. 379
- Ridella, S.** See Corana, A. Vol. 13, No. 3 (Sept. 1987), p. 262

- Rivara, M.-C.** Design and Data Structure of Fully Adaptive, Multigrid, Finite-Element Software. Vol. 10, No. 3 (Sept. 1984), p. 242
- Robertazzi, T. G., and Schwartz, S. C.** Best "Ordering" for Floating-Point Addition. Vol. 14, No. 1 (Mar. 1988), p. 101
- Sagie, I.** Computer-Aided Modeling and Planning (CAMP). Vol. 12, No. 3 (Sept. 1986), p. 225
- Sameh, A. H.** See Lawrie, D. H. Vol. 10, No. 2 (June 1984), p. 185
- Sameh, A. H.** See Lawrie, D. H. Vol. 11, No. 2 (June 1985), p. 168
- Saunders, M.** See Gill, P. E. Vol. 10, No. 3 (Sept. 1984), p. 282
- Sawchuck, J. T. M.** See Hull, T. E. Vol. 14, No. 3 (Sept. 1988), p. 201
- Schnabel, R. B., Koontz, J. E., and Weiss, B. E.** A Modular System of Algorithms for Unconstrained Minimization. Vol. 11, No. 4 (Dec. 1985), p. 419
- Schneider, M. H.** The Expanding Equilibrium Algorithm. Vol. 13, No. 4 (Dec. 1987), p. 382
- Schnepf, E.** See Schonauer, W. Vol. 13, No. 4 (Dec. 1987), p. 333
- Schonauer, W., and Schnepf, E.** Software Considerations for the "Black Box" Solver FIDISOL for Partial Differential Equations. Vol. 13, No. 4 (Dec. 1987), p. 333
- Schwartz, S. C.** See Robertazzi, T. G. Vol. 14, No. 1 (Mar. 1988), p. 101
- Sewell, G.** Plotting Contour Surfaces of a Function of Three Variables. Vol. 14, No. 1 (Mar. 1988), p. 33
- Shampine, L. F., and Baca, L. S.** Fixed versus Variable Order Runge-Kutta. Vol. 12, No. 1 (Mar. 1986), p. 1
- Shapiro, H. D.** Increasing Robustness in Global Adaptive Quadrature Through Interval Selection Heuristics. Vol. 10, No. 2 (June 1984), p. 117
- Shapiro, V.** See Morgan, A. Vol. 13, No. 2 (June 1987), p. 152
- Sikorski, K., and Stenger, F.** Optimal Quadratures in H_p Spaces. Vol. 10, No. 2 (June 1984), p. 140
- Sikorski, K.** See Eiger, A. Vol. 10, No. 4 (Dec. 1984), p. 367
- Simon, H. D.** See Grimes, R. G. Vol. 14, No. 3 (Sept. 1988), p. 241
- Skeel, R. D., and Vu, T. V.** Note on Blended Linear Multistep Formulas. Vol. 12, No. 3 (Sept. 1986), p. 223
- Springer, J.** Exact Solution of General Integer Systems of Linear Equations. Vol. 12, No. 1 (Mar. 1986), p. 51
- Steihaug, T.** See Dembo, R. S. Vol. 11, No. 2 (June 1985), p. 97
- Stenger, F.** See Eiger, A. Vol. 10, No. 4 (Dec. 1984), p. 367
- Stenger, F.** See Sikorski, K. Vol. 10, No. 2 (June 1984), p. 140
- Stewart, G. W.** A Note on Complex Division. Vol. 11, No. 3 (Sept. 1985), p. 238
- Stewart, K.** See Krogh, F. T. Vol. 10, No. 1 (Mar. 1984), p. 45
- Thompson, C. P.** See Colwell, W. R. Vol. 12, No. 4 (Dec. 1986), p. 324
- Thomsen, P. G.** See Enright, W. H. Vol. 12, No. 3 (Sept. 1986), p. 193
- Tischer, P. E., and Gupta, G. K.** An Evaluation of Some Cyclic Linear Multistep Formulas for Stiff ODEs. Vol. 11, No. 3 (Sept. 1985), p. 263
- Tomlin, J. A., and Welch, J. S.** Integration of a Primal Simplex Network Algorithm with a Large-Scale Mathematical Programming System. Vol. 11, No. 1 (Mar. 1985), p. 1
- Trager, B. M.** See Davenport, J. H. Vol. 11, No. 4 (Dec. 1985), p. 356
- Van Ness, J.** See Ammann, L. Vol. 14, No. 1 (Mar. 1988), p. 76
- Vitter, J. S.** An Efficient Algorithm for Sequential Random Sampling. Vol. 13, No. 1 (Mar. 1987), p. 58
- Vitter, J. S.** Random Sampling with a Reservoir. Vol. 11, No. 1 (Mar. 1985), p. 37
- Vrahatis, M. N.** Solving Systems of Nonlinear Equations Using the Nonzero Value of the Topological Degree. Vol. 14, No. 4 (Dec. 1988), p. 312
- Vu, T. V.** See Skeel, R. D. Vol. 12, No. 3 (Sept. 1986), p. 223
- Wan, S. J., Wong, S. K. M., and Prusinkiewicz, P.** An Algorithm for Multidimensional Data Clustering. Vol. 14, No. 2 (June 1988), p. 153
- Weiss, B. E.** See Schnabel, R. B. Vol. 11, No. 4 (Dec. 1985), p. 419
- Welch, J. S.** See Tomlin, J. A. Vol. 11, No. 1 (Mar. 1985), p. 1
- Wiberg, T.** See Duff, I. S. Vol. 14, No. 3 (Sept. 1988), p. 267
- Wong, S. K. M.** See Wan, S. J. Vol. 14, No. 2 (June 1988), p. 153
- Wortman, D. B.** See Hull, T. E. Vol. 14, No. 3 (Sept. 1988), p. 201
- Wright, M.** See Gill, P. E. Vol. 10, No. 3 (Sept. 1984), p. 282
- Yagati, L.** See Freeman, T. S. Vol. 14, No. 3 (Sept. 1988), p. 218

- Yakovlev, M. F.** See Molchanov, I. N. Vol. 10, No. 3 (Sept. 1984), p. 231
- Zenios, S. A.** See Ahlfeld, D. P. Vol. 13, No. 4 (Dec. 1987), p. 350
- Zirilli, F.** See Aluffi-Pentini, F. Vol. 10, No. 3 (Sept. 1984), p. 299
- Zirilli, F.** See Aluffi-Pentini, F. Vol. 14, No. 4 (Dec. 1988), p. 345
- Zubatenko, V. S.** See Molchanov, I. N. Vol. 10, No. 3 (Sept. 1984), p. 231

Algorithms (1984-1988)

- Aluffi-Pentini, F., Parisi, V., and Zirilli, F.** Algorithm 617. DAFNE—A Differential Equations Algorithm for Nonlinear Equations. Vol. 10, No. 3 (Sept. 1984), p. 317
- Aluffi-Pentini, F., Parisi, V., and Zirilli, F.** Algorithm 667. SIGMA: A Stochastic-Integration Global Minimization Algorithm. Vol. 14, No. 4 (Dec. 1988), p. 366
- Amos, D. E.** Algorithm 644. A Portable Package for Bessel Functions of a Complex Argument and Nonnegative Order. Vol. 12, No. 3 (Sept. 1986), p. 265
- Applebaum, L.** See Bownds, J. M. Vol. 11, No. 1 (Mar. 1985), p. 58
- Armstrong, R. D., Beck, P. O., and Kung, M. T.** Algorithm 615. The Best Subset of Parameters in Least Absolute Value Regression. Vol. 10, No. 2 (June 1984), p. 202
- Atkinson, K. E.** Algorithm 629. An Integral Equation Program for Laplace's Equation in Three Dimensions. Vol. 11, No. 2 (June 1985), p. 85
- Bartels, R. H., and Jezioranski, J. J.** Algorithm 634. CONST and EVAL: Routines for Fitting Multinomials in a Least Squares Sense. Vol. 11, No. 3 (Sept. 1985), p. 218
- Beck, P. O.** See Armstrong, R. D. Vol. 10, No. 2 (June 1984), p. 202
- Billups, S. C.** See Watson, L. T. Vol. 13, No. 3 (Sept. 1987), p. 281
- Boisvert, R. F.** Algorithm 651: Algorithm HFFT-High-Order Fast-Direct Solution of the Helmholtz Equation. Vol. 13, No. 3 (Sept. 1987), p. 235
- Bownds, J. M., and Applebaum, L.** Algorithm 627. A FORTRAN Subroutine for Solving Volterra Integral Equations. Vol. 11, No. 1 (Mar. 1985), p. 58
- Bratley, P., and Fox, B. L.** Algorithm 659. Implementing Sobol's Quasirandom Sequence Generator. Vol. 14, No. 1 (Mar. 1988), p. 88
- Buchberger, B.** See Winkler, F. Vol. 11, No. 1 (Mar. 1985), p. 66
- Buckley, A., and Lenir, A.** Algorithm 630. BBVSCG—A Variable Storage Algorithm for Function Minimization. Vol. 11, No. 2 (June 1985), p. 103
- Christov, N. D.** See Petkov, P. H. Vol. 10, No. 2 (June 1984), p. 207
- Cody, W. J.** Algorithm 665: MACHAR: A Subroutine to Dynamically Determine Machine Parameters. Vol. 14, No. 4 (Dec. 1988), p. 303
- Coleman, T. F., Garbow, B. S., and Moré, J. J.** Algorithm 618. FORTRAN Subroutines for Estimating Sparse Jacobian Matrices. Vol. 10, No. 3 (Sept. 1984), p. 346
- Coleman, T. F., Garbow, B. S., and Moré, J. J.** Algorithm 636. FORTRAN Subroutines for Estimating Sparse Hessian Matrices. Vol. 11, No. 4 (Dec. 1985), p. 378
- Cormack, R. S., and Hill, I. D.** Remarks on Algorithm 346. Vol. 14, No. 3 (Sept. 1988), p. 288
- Crawford, C. R.** Algorithm 646. PDFIND—A Routine to Find a Positive Definite Linear Combination of Two Real Symmetric Matrices. Vol. 12, No. 3 (Sept. 1986), p. 278
- Davis, G. J.** See Ward, R. C. Vol. 11, No. 2 (June 1985), p. 170
- De Doncker, E., and Robinson, I.** Algorithm 612. TRIEX: Integration Over a TRIangle Using Nonlinear Extrapolation. Vol. 10, No. 1 (Mar. 1984), p. 17
- DiDonato, A. R., and Morris, A. H., Jr.** Algorithm 654: FORTRAN Subroutines for Computing the Incomplete Gamma Function Ratios and Their Inverse. Vol. 13, No. 3 (Sept. 1987), p. 318
- Dongarra, J. J., Du Croz, J., Hammarling, S., and Hanson, R. J.** Algorithm 656. An Extended Set of Basic Linear Algebra Subprograms: Model Implementation and Test Programs. Vol. 14, No. 1 (Mar. 1988), p. 18
- Du Croz, J.** See Dongarra, J. J. Vol. 14, No. 1 (Mar. 1988), p. 18
- Elhay, S., and Kautsky, J.** Algorithm 655: IQPACK: FORTRAN Subroutines for the Weights of Interpolatory Quadratures. Vol. 13, No. 4 (Dec. 1987), p. 399
- Enright, W. H., and Pryce, J. D.** Algorithm 648: NSDTST and STDST: Routines for Assessing the Performance of Initial Value Solvers. Vol. 13, No. 1 (Mar. 1987), p. 23
- Er, M. C.** Remark on Algorithm 246. Vol. 11, No. 4 (Dec. 1985), p. 444

- Fox, B. L.** Algorithm 647. Implementation and Relative Efficiency of Quasirandom Sequence Generators. Vol. 12, No. 4 (Dec. 1986), p. 362
- Fox, B. L.** See Bratley, P. Vol. 14, No. 1 (Mar. 1988), p. 88
- Garbow, B. S.** A Remark on Algorithm 535. Vol. 10, No. 4 (Dec. 1984), p. 476
- Garbow, B. S.** See Coleman, T. F. Vol. 10, No. 3 (Sept. 1984), p. 346
- Garbow, B. S.** See Coleman, T. F. Vol. 11, No. 4 (Dec. 1985), p. 378
- Garbow, B. S., Giunta, G., Lyness, J. N., and Muri, A.** Algorithm 662. A FORTRAN Software Package for the Numerical Inversion of the Laplace Transform Based on Weeks' Method. Vol. 14, No. 2 (June 1988), p. 171
- Giunta, G.** See Garbow, B. S. Vol. 14, No. 2 (June 1988), p. 171
- Giunta, G., and Muri, A.** Algorithm 649: A Package for Computing Trigonometric Fourier Coefficients Based on Lyness's Algorithm. Vol. 13, No. 1 (Mar. 1987), p. 97
- Hake, J.-F. R.** Remark on Algorithm 569. Vol. 12, No. 3 (Sept. 1986), p. 283
- Hamilton, D. E.** Remark on Algorithm 620. Vol. 11, No. 3 (Sept. 1985), p. 305
- Hammarling, S.** See Dongarra, J. J. Vol. 14, No. 1 (Mar. 1988), p. 18
- Hanson, R. J.** Remark on Algorithm 584. Vol. 12, No. 1 (Mar. 1986), p. 71
- Hanson, R. J.** See Dongarra, J. J. Vol. 14, No. 1 (Mar. 1988), p. 18
- Hanson, R. J.** See Rice, J. R. Algorithm 620. Vol. 10, No. 4 (Dec. 1984), p. 359
- Hanson, R. J., and Krogh, F. T.** Algorithm 653: Translation of Algorithm 539: PC-BLAS, Basic Linear Algebra Subprograms for FORTRAN Usage with the INTEL 8087, 80287 Numeric Data Processor. Vol. 13, No. 3 (Sept. 1987), p. 311
- Haymond, R. E., Jarvis, J. P., and Shier, D. R.** Algorithm 613. Minimum Spanning Tree for Moderate Integer Weights. Vol. 10, No. 1 (Mar. 1984), p. 108
- Hill, I. D., and Pike, M. C.** Remark on Algorithm 299. Vol. 11, No. 2 (June 1985), p. 185.
- Hill, I. D.** See Cormack, R. S. Vol. 14, No. 3 (Sept. 1988), p. 288
- Hines, G.** See Lyness, J. Vol. 12, No. 1 (Mar. 1986), p. 24
- Houstis, E. N., Mitchell, W. F., and Rice, J. R.** Algorithm 638. INTCOL and HERMCOL: Collocation on Rectangular Domains with Bicubic Hermite Polynomials. Vol. 11, No. 4 (Dec. 1985), p. 416
- Houstis, E. N., Mitchell, W. F., and Rice, J. R.** Algorithm 637. GENCOL: Collocation on General Domains with Bicubic Hermite Polynomials. Vol. 11, No. 4 (Dec. 1985), p. 413
- Hutchinson, M. F.** Algorithm 642. A Fast Procedure for Calculating Minimum Cross-Validation Cubic Smoothing Splines. Vol. 12, No. 2 (June 1986), p. 150
- Huysmans, R.** See Piessens, R. Algorithm 619. Vol. 10, No. 3 (Sept. 1984), p. 348
- Jarvis, J. P.** See Haymond, R. E. Vol. 10, No. 1 (Mar. 1984), p. 108
- Johnson, K. C.** Algorithm 650: Efficient Square Root Implementation on the 68000. Vol. 13, No. 2 (June 1987), p. 138
- Kachitvichyanukul, V., and Schmeiser, B. W.** Algorithm 668, H2PEC: Sampling from the Hypergeometric Distribution. Vol. 14, No. 4 (Dec. 1988), p. 397
- Kane, V. E.** See Ward, R. C. Vol. 11, No. 2 (June 1985), p. 170
- Kautsky, J.** See Elhay, S. Vol. 13, No. 4 (Dec. 1987), p. 399
- Konstantinov, M.** See Petkov, P. H. Vol. 10, No. 2 (June 1984), p. 207
- Kramer, M. A.** See Leis, J. R. Vol. 14, No. 1 (Mar. 1988), p. 61
- Krogh, F. T.** Algorithms Policy. Vol. 12, No. 2 (June 1986), p. 171
- Krogh, F. T.** Algorithms Policy. Vol. 13, No. 2 (June 1987), p. 183
- Krogh, F. T.** Algorithms Policy. Vol. 14, No. 3 (Sept. 1988), p. 290
- Krogh, F. T.** See Hanson, R. J. Vol. 13, No. 3 (Sept. 1987), p. 311
- Kung, M. T.** See Armstrong, R. D. Vol. 10, No. 2 (June 1984), p. 202
- Laub, A. J.** Algorithm 640. Efficient Calculation of Frequency Response Matrices from State Space Models. Vol. 12, No. 1 (Mar. 1986), p. 26
- Lawrie, D. H.** Corrections to "The Computation and Communication Complexity of a Parallel Banded System Solver." Vol. 11, No. 2 (June 1985), p. 188
- Leis, J. R., and Kramer, M. A.** Algorithm 658. ODESSA: An Ordinary Differential Equation Solver with Explicit Simultaneous Sensitivity Analysis. Vol. 14, No. 1 (Mar. 1988), p. 61
- Lenir, A.** See Buckley, A. Vol. 11, No. 2 (June 1985), p. 103
- Lichtenberger, F.** See Winkler, F. Vol. 11, No. 1 (Mar. 1985), p. 66
- Louter-Nool, M.** Algorithm 663. Translation of Algorithm 539: Basic Linear Algebra Subprograms for FORTRAN Usage in FORTRAN 200 for the Cyber 205. Vol. 14, No. 2 (June 1988), p. 177

- Lyness, J. N. and Hines, G.** Algorithm 639. To Integrate Some Infinite Oscillating Tails. Vol. 12, No. 1 (Mar. 1986), p. 24
- Lyness, J. N.** See Garbow, B. S. Vol. 14, No. 2 (June 1988), p. 171
- Martello, S., and Toth, P.** Algorithm 632. A Program for the 0-1 Multiple Knapsack Problem. Vol. 11, No. 2 (June 1985), p. 135
- Mehta, C. R., and Patel, N. R.** Algorithm 643. FEXACT: A FORTRAN Subroutine for Fisher's Exact Test on Unordered $r \times c$ Contingency Tables. Vol. 12, No. 2 (June 1986), p. 154
- Mitchell, W. F.** See Houstis, E. N. Vol. 11, No. 4 (Dec. 1985), p. 413
- Mitchell, W. F.** See Houstis, E. N. Vol. 11, No. 4 (Dec. 1985), p. 416
- Monahan, J. F.** Algorithm 616. Fast Computation of the Hodges-Lehman Location Estimator. Vol. 10, No. 3 (Sept. 1984), p. 265
- Monahan, J. F.** Algorithm 651: An Algorithm for Generating Chi Random Variables. Vol. 13, No. 2 (June 1987), p. 168
- Moré, J. J.** See Coleman, T. F. Vol. 10, No. 3 (Sept. 1984), p. 346
- Moré, J. J.** See Coleman, T. F. Vol. 11, No. 4 (Dec. 1985), p. 378
- Morgan, A. P.** See Watson, L. T. Vol. 13, No. 3 (Sept. 1987), p. 281
- Morris, A. H., Jr.** See DiDonato, A. R. Vol. 13, No. 3 (Sept. 1987), p. 318
- Murli, A.** See Garbow, B. S. Vol. 14, No. 2 (June 1988), p. 171
- Murli, A.** See Giunta, G. Vol. 13, No. 1 (Mar. 1987), p. 97
- Nash, J. C., and Wang, R. L. C.** Algorithm 645. Subroutines for Testing Programs that Compute the Generalized Inverse of a Matrix. Vol. 12, No. 3 (Sept. 1986), p. 274
- Norton, V.** Algorithm 631. Finding a Bracketed Zero by Larkin's Method of Rational Interpolation. Vol. 11, No. 2 (June 1985), p. 120
- Norton, V.** Remark on Algorithm 631. Vol. 12, No. 1 (Mar. 1986), p. 72
- Novotny, M.** Remark on Algorithm 30. Vol. 11, No. 2 (June 1985), p. 183
- Parisi, V.** See Aluffi-Pentini, F. Vol. 10, No. 3 (Sept. 1984), p. 317
- Parisi, V.** See Aluffi-Pentini, F. Vol. 14, No. 4 (Dec. 1988), p. 366
- Patel, N. R.** See Mehta, C. R. Vol. 12, No. 2 (June 1986), p. 154
- Petkov, P. H., Christov, N. D., and Konstantinov, M.** Remark on Algorithm 590. DSUBSP and EXCHQZ: FORTRAN Subroutines for Computing Deflating Subspaces with Specified Spectrum. Vol. 10, No. 2 (June 1984), p. 207
- Piessens, R., and Huysmans, R.** Algorithm 619. Automatic Numerical Inversion of the Laplace Transform [D5]. Vol. 10, No. 3 (Sept. 1984), p. 348
- Piessens, R.** Remark on Algorithm 486. Numerical Inversion of Laplace Transform. Vol. 10, No. 3 (Sept. 1984), p. 359
- Pike, M. C.** See Hill, I. D. Vol. 11, No. 2 (June 1985), p. 185
- Preusser, A.** Algorithm 626. TRICP—A Contour Plot Program for Triangular Meshes. Vol. 10, No. 4 (Dec. 1984), p. 473
- Preusser, A.** Remark on Algorithm 526. Vol. 11, No. 2 (June 1985), p. 186
- Pryce, J. D.** See Enright, W. H. Vol. 13, No. 1 (Mar. 1987), p. 23
- Remark on Algorithm 603.** Vol. 14, No. 2 (June 1988), p. 196
- Renka, R. J.** Algorithm 623. Interpolation on the Surface of a Sphere. Vol. 10, No. 4 (Dec. 1984), p. 437
- Renka, R. J.** Algorithm 624. Triangulation and Interpolation of Arbitrarily Distributed Points in the Plane. Vol. 10, No. 4 (Dec. 1984), p. 440
- Renka, R. J.** Algorithm 660. QSHEP2D: Quadratic Shepard Method for Bivariate Interpolation of Scattered Data. Vol. 14, No. 2 (June 1988), p. 149
- Renka, R. J.** Algorithm 661. QSHEP3D: Quadratic Shepard Method for Trivariate Interpolation of Scattered Data. Vol. 14, No. 2 (June 1988), p. 151
- Ribbens, C.** See Rice, J. R. Algorithm 622. Vol. 10, No. 4 (Dec. 1984), p. 410
- Rice, J. R., and Hanson, R. J.** Algorithm 620. References and Keywords for Collected Algorithms from ACM. Vol. 10, No. 4 (Dec. 1984), p. 359
- Rice, J. R., Ribbens, C., and Ward, W. A.** Algorithm 622. A Simple Macroprocessor. Vol. 10, No. 4 (Dec. 1984), p. 410
- Rice, J. R.** Algorithm 625. A Two-Dimensional Domain Processor. Vol. 10, No. 4 (Dec. 1984), p. 453
- Rice, J. R.** See Houstis, E. N. Vol. 11, No. 4 (Dec. 1985), p. 416
- Rice, J. R.** See Houstis, E. N. Vol. 11, No. 4 (Dec. 1985), p. 413
- Robinson, I.** See De Doncker, E. Algorithm 612. Vol. 10, No. 1 (Mar. 1984), p. 17

- Rolletschek, H.** See Winkler, F. Vol. 11, No. 1 (Mar. 1985), p. 66
- Sameh, A. H.** See Lawrie, D. H. Vol. 11, No. 2 (June 1985), p. 188
- Schmeiser, B. W.** See Kachitvichyanukul, V. Vol. 14, No. 4 (Dec. 1988), p. 397
- Schrauf, G.** Algorithm 664. A Gauss Algorithm to Solve Systems with Large Banded Matrices Using Random-Access Disk Storage. Vol. 14, No. 3 (Sept. 1988), p. 257
- Schwing, J.** See Sikorski, K. Algorithm 614. Vol. 10, No. 2 (June 1984), p. 152
- Sewell, G.** Algorithm 657. Software for Plotting Contour Surfaces of a Function of Three Variables. Vol. 14, No. 1 (Mar. 1988), p. 42
- Shier, D. R.** See Haymand, R. E. Algorithm 613. Vol. 10, No. 1 (Mar. 1984), p. 108
- Sikorski, K., Stenger, F., and Schwing, J.** Algorithm 614. A FORTRAN Subroutine for Numerical Integration in H_p . Vol. 10, No. 2 (June 1984), p. 152
- Sommeijer, B. P., and van der Houven, P. J.** Algorithm 621. Software with Low Storage Requirements for Two-Dimensional Parabolic Differential Equations. Vol. 10, No. 4 (Dec. 1984), p. 378
- Springer, J.** Algorithm 641. Exact Solution of General Integer Systems of Linear Equations. Vol. 12, No. 2 (June 1986), p. 149
- Stenger, F.** See Sikorski, K. Algorithm 614. Vol. 10, No. 2 (June 1984), p. 152
- Streit, R. L.** Algorithm 635. An Algorithm for the Solution of Systems of Complex Linear Equations in the \mathcal{L}_∞ Norm with Constraints on the Unknowns. Vol. 11, No. 3 (Sept. 1985), p. 242
- van der Houven, P. J.** See Sommeijer, B. P. Vol. 10, No. 4 (Dec. 1984), p. 378
- Vrahatis, M. N.** Algorithm 666. CHABIS: A Mathematical Software Package for Locating and Evaluating Roots of Systems of Nonlinear Equations. Vol. 14, No. 4 (Dec. 1988), p. 330
- Wang, R. L. C.** See Nash, J. C. Vol. 12, No. 3 (Sept. 1986), p. 274
- Ward, R. C., Davis, G. J., and Kane, V. E.** Algorithm 633. An Algorithm for Linear Dependency Analysis of Multivariate Data. Vol. 11, No. 2 (June 1985), p. 170
- Ward, W. A.** See Rice, J. R. Algorithm 622. Vol. 10, No. 4 (Dec. 1984), p. 410
- Watson, L. T., Billups, S. C., and Morgan, A. P.** Algorithm 652: HOMPAC: A Suite of Codes for Globally Convergent Homotopy Algorithms. Vol. 13, No. 3 (Sept. 1987), p. 281
- Winkler, F., Buchberger, B., Lichtenberger, F., and Rolletschek, H.** Algorithm 628. An Algorithm for Constructing Canonical Bases of Polynomial Ideals. Vol. 11, No. 1 (Mar. 1985), p. 66
- Zirilli, F.** See Aluffi-Pentini, F. Vol. 10, No. 3 (Sept. 1984), p. 317
- Zirilli, F.** See Aluffi-Pentini, F. Vol. 14, No. 4 (Dec. 1988), p. 366